

STIC Biotechnology Systems Branch**RAW SEQUENCE LISTING**
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/535,128CSource: TEWODate Processed by STIC: 11/22/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

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Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/535, 128C

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/535,128C

DATE: 11/22/2006

TIME: 11:26:26

Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\11222006\J535128C.raw

3 <110> APPLICANT: Collins, et. al
5 <120> TITLE OF INVENTION: CIS/Trans Riboregulators
7 <130> FILE REFERENCE: 0079571-0094
9 <140> CURRENT APPLICATION NUMBER: 10/535,128C
10 <141> CURRENT FILING DATE: 2005-05-16
12 <160> NUMBER OF SEQ ID NOS: 59
14 <170> SOFTWARE: PatentIn version 3.2
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 11
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Consensus sequence
24 <400> SEQUENCE: 1
25 gccgaccaug c
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 18
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Nuclear Acid sequence
36 <400> SEQUENCE: 2
37 aggagggttt ttaccaug
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 19
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Cis-Repressive
48 <400> SEQUENCE: 3
49 ggacgcactg accgaattc
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 20
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Cis-Repressive
60 <400> SEQUENCE: 4
61 ctacctttct cctctttaat
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 18
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial

Does Not Comply
Corrected Diskette Needed
Cp9-1,2,3,4,5

11

What is the source
of genetic material?
See glem 11 on
error summary
sheet.

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Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\11222006\J535128C.raw

69 <220> FEATURE:
 70 <223> OTHER INFORMATION: Cis-Repressive
 72 <400> SEQUENCE: 5
 73 ttctctagtc ctccttat
 76 <210> SEQ ID NO: 6
 77 <211> LENGTH: 19
 78 <212> TYPE: DNA
 79 <213> ORGANISM: Artificial
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Cis-Repressive
 84 <400> SEQUENCE: 6
 85 ctacctttct cctctagga
 88 <210> SEQ ID NO: 7
 89 <211> LENGTH: 19
 90 <212> TYPE: DNA
 91 <213> ORGANISM: Artificial
 93 <220> FEATURE:
 94 <223> OTHER INFORMATION: Cis-Repressive
 96 <400> SEQUENCE: 7
 97 ctacctatct gctcttgaa
 100 <210> SEQ ID NO: 8
 101 <211> LENGTH: 19
 102 <212> TYPE: DNA
 103 <213> ORGANISM: Artificial
 105 <220> FEATURE:
 106 <223> OTHER INFORMATION: Cis-Repressive
 108 <400> SEQUENCE: 8
 109 ctaccattca cctcttgga
 112 <210> SEQ ID NO: 9
 113 <211> LENGTH: 16
 114 <212> TYPE: DNA
 115 <213> ORGANISM: Artificial
 117 <220> FEATURE:
 118 <223> OTHER INFORMATION: Cis-Repressive
 120 <400> SEQUENCE: 9
 121 ctaccattca cctgga
 124 <210> SEQ ID NO: 10
 125 <211> LENGTH: 7
 126 <212> TYPE: DNA
 127 <213> ORGANISM: Artificial
 129 <220> FEATURE:
 130 <223> OTHER INFORMATION: Cis-Repressive
 132 <400> SEQUENCE: 10
 133 tttgggt
 136 <210> SEQ ID NO: 11
 137 <211> LENGTH: 15
 138 <212> TYPE: DNA
 139 <213> ORGANISM: Artificial
 141 <220> FEATURE:

18
 19
 19
 19
 16
 7

Same Error

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/535,128C

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Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\11222006\J535128C.raw

142 <223> OTHER INFORMATION: Cis-Repressive
144 <400> SEQUENCE: 11
145 attaaagagg agaaa 15
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 42
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
156 <400> SEQUENCE: 12
157 ggagcactga ccgaattcat taaagaggag aaaggtacca tg 42
160 <210> SEQ ID NO: 13
161 <211> LENGTH: 51
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
168 <400> SEQUENCE: 13
169 ctacctttct cctctttaat ttgggtatt aaagaggaga aaggtaccat g 51
172 <210> SEQ ID NO: 14
173 <211> LENGTH: 47
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
180 <400> SEQUENCE: 14
181 ctctagtcct ccttattttg ggtattaaag aggagaaagg taccatg 47
184 <210> SEQ ID NO: 15
185 <211> LENGTH: 50
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
192 <400> SEQUENCE: 15
193 ctacctttct cctctaggat ttgggtatta aagaggagaa aggtaccatg 50
196 <210> SEQ ID NO: 16
197 <211> LENGTH: 50
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Nuclear Acid sequence
204 <400> SEQUENCE: 16
205 ctacctatct gctcttgaat ttgggtatta aagaggagaa aggtaccatg 50
208 <210> SEQ ID NO: 17
209 <211> LENGTH: 50
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs

Same error

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RAW SEQUENCE LISTING

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Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\11222006\J535128C.raw

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216 <400> SEQUENCE: 17
217 ctaccattca cctcttggat ttgggtatta aagaggagaa aggtaccatg          50
220 <210> SEQ ID NO: 18
221 <211> LENGTH: 50
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Cis-Repressive RNA Constructs
228 <400> SEQUENCE: 18
229 ctaccattca cctcttggat ttgggtatta aagaggagaa aggtaccatg          50
232 <210> SEQ ID NO: 19
233 <211> LENGTH: 70
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Construct Sequence
240 <400> SEQUENCE: 19
241 acacccaaat taaaggaggag aaaggtagtg gtggttaatg aaaattaact tactactacc 60
243 ttttcttaga          70
246 <210> SEQ ID NO: 20
247 <211> LENGTH: 62
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Construct Sequence
254 <400> SEQUENCE: 20
255 acgcccgaat aaggaggata gagtggtggt taatgaaaat taacttacta cttagtttta 60
257 ga          62
260 <210> SEQ ID NO: 21
261 <211> LENGTH: 69
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Construct Sequence
268 <400> SEQUENCE: 21
269 acacccaaat cctagggaga atggtagtgg tgggtaatga aaattaactt actactactt 60
271 tttcataga          69
274 <210> SEQ ID NO: 22
275 <211> LENGTH: 67
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Construct Sequence
282 <400> SEQUENCE: 22
283 acacccaaat tatgagcaga ttggtagtgg tgggtaatga aaattaactt actactactt 60
285 tcttaga          67
288 <210> SEQ ID NO: 23
289 <211> LENGTH: 71
290 <212> TYPE: DNA

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Same Error

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DATE: 11/22/2006

TIME: 11:26:26

Input Set : A:\BU-0094.ST25.txt

Output Set: N:\CRF4\11222006\J535128C.raw

291 <213> ORGANISM: Artificial
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Construct Sequence
296 <400> SEQUENCE: 23
297 acccaaatcc aggaggtgat tggtagtggt ggtaaatgaa aattaactta ctactaccat 60
299 atatctctag a 71
302 <210> SEQ ID NO: 24
303 <211> LENGTH: 71
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Construct Sequence
310 <400> SEQUENCE: 24
311 acccaaatcc aggaggtgaa tggtagtggt ggtaaatgaa aattaactta ctactaccat 60
313 atatctctag a 71
316 <210> SEQ ID NO: 25
317 <211> LENGTH: 71
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Construct Sequence
324 <400> SEQUENCE: 25
325 acccaaatcc aagaggtgat tggtagtggt ggtaaatgaa aattaactta ctactaccat 60
327 atatctctag a 71
330 <210> SEQ ID NO: 26
331 <211> LENGTH: 76
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Construct Sequence
338 <400> SEQUENCE: 26
339 acccaaatcc aaagaggtga atggtaagtg ggtgggtaat gaaaattaac ttactactac 60
341 catatattct ctaaga 76
344 <210> SEQ ID NO: 27
345 <211> LENGTH: 71
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Construct Sequence
352 <400> SEQUENCE: 27
353 acccaaatcc aggaggtgat tggtagtggt ggtaaatgaa aattaactta ctaaaatcgg 60
355 acatctctag a 71
358 <210> SEQ ID NO: 28
359 <211> LENGTH: 75
360 <212> TYPE: DNA
361 <213> ORGANISM: Artificial
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Construct Sequence
366 <400> SEQUENCE: 28

7 Same Error

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/22/2006
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Input Set : A:\BU-0094.ST25.txt
Output Set: N:\CRF4\11222006\J535128C.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/535,128C

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